

### **REMARKS**

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-3, 5-7 and 9-17 are pending in the present application. Claims 1, 3, 5-7 and 9-12 have been amended, claims 4 and 8 have been cancelled and claims 13-17 have been added by the present amendment.

In the outstanding Office Action, claims 1, 7 and 11 were objected to; claim 8 was rejected under 35 U.S.C. § 112, second paragraph; claim 7 was rejected under 35 U.S.C. § 102(b) as anticipated by Strolle et al.; claims 1-3 were rejected under 35 U.S.C. § 103(a) as unpatentable over Trans in view of Strolle et al.; claims 4-6 and 8-10 were indicated as allowable if rewritten in independent form and to overcome the rejections under 35 U.S.C. § 112, second paragraph, as set forth in the Office Action; and claims 11 and 12 were indicated as allowable if rewritten to overcome the objection noted in the Office Action.

Applicants thank the Examiner for the indication of allowable subject matter. In light of this indication, independent claims 1 and 7 have been amended to include subject matter similar to that recited in dependent claims 4 and 8, respectively. Further, the preamble of independent claims 1, 7 and 11 have been amended to properly describe the acronym FDTS/DF. Accordingly, it is respectfully requested the objection to claims 1, 7 and 11 be withdrawn.

Similarly, the subject matter originally recited in claim 8 and now included in independent claim 7 has been amended in light of the comments noted in the Office Action regarding the rejection of claim 8 under 35 U.S.C. § 112, second paragraph. Accordingly, it is respectfully requested this rejection be withdrawn.

Further, claims 1, 7 and 11 and each of the claims depending therefrom are now allowable. Therefore, the rejections of claim 7 under 35 U.S.C. § 102(b) and claims 1-3 under 35 U.S.C. § 103(a) noted in items 5 and 7 of the Office Action are moot.

In addition, new claims 13-17 have been added to set forth the invention in a varying scope, and Applicants respectfully submit the new claims are supported by the originally-filed specification. For example, new independent claim 13 includes subject matter similar to that recited in original independent claim 1 and features shown in Figure 4 in which the equalizer

includes a plurality of absolute value calculating units obtaining an absolute value of the difference between the subtracted value and a reference signal, and demultiplexer demultiplexing the signal outputted from the absolute value calculating units.

It is respectfully noted the Office Action relies on Strolle et al. as teaching an absolute value calculation and cites elements 304, 308 and 310 of Figure 4. However, it is respectfully submitted the combination of Strolle et al. and Trans do not teach or suggest the claimed structure of the equalizer including the feed-forward filter, feed-back filter, subtractor, absolute value calculating units and demultiplexer as recited in new independent claim 13.

Further, the specification has been amended to correct minor informalities. No new matter has been added.

### CONCLUSION

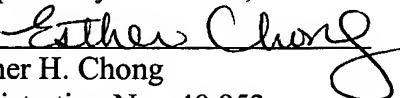
For the foregoing reasons and in view of the above clarifying amendments, the Examiner is respectfully requested to reconsider and withdraw all of the objections and rejections of record, and to provide an early issuance of a Notice of Allowance.

Should there be any outstanding matters which need to be resolved in the present application, the Examiner is respectfully requested to contact David Bilodeau (Registration No. 42,325) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and further replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

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Respectfully submitted,

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